

CHAPTER 12

Operation and Maintenance

12-1. Operation and Maintenance Plan. A comprehensive plan of how the project will be operated and maintained after construction will be required in support of operation and maintenance (O&M) costs. The following elements are normally included in the O&M plan:

a. Changes and costs. The predicted physical changes with time after construction and the anticipated O&M costs.

b. Surveillance plan. The maintenance plan covers minimum monitoring of the project performance to verify safety and efficiency. Included are type and frequency of hydrographic survey, data collection, and periodic inspection schedule. Hydrographic surveys, beach profiles, tide and wave records, and jetty stability data collection costs are used for O&M budgetary purposes.

c. Project performance assessment. An assessment of the project performance is required based on results of inspections and analysis of comparative surveys to verify design information such as rates of erosion, shoaling, and jetty deterioration and to project changes predicted during the design effort. A comparison of actual O&M costs with predicted cost is required. Coordination with the local pilots, port authority, and other marine interests should be conducted. Plans for a review to determine after-project navigation improvement conditions should be included in the project plans.